

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
5 February 2004 (05.02.2004)

PCT

(10) International Publication Number  
WO 2004/011035 A2

(51) International Patent Classification<sup>7</sup>: A61K 49/00

39B, 92623 Jerusalem (IL). BENITA, Shimon [IL/IL];  
33/3 Haarazim Street, 90805 Mevasseret Zion (IL).

(21) International Application Number:  
PCT/IL2003/000552

(74) Agent: WOLFF, BREGMAN AND GOLLER; P.O. Box  
1352, 91013 Jerusalem (IL).

(22) International Filing Date: 3 July 2003 (03.07.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
150906 25 July 2002 (25.07.2002) IL

(71) Applicants (*for all designated States except US*): YIS-  
SUM RESEARCH DEVELOPMENT COMPANY  
OF THE HEBREW UNIVERSITY OF JERUSALEM  
[IL/IL]; P.O. Box 39135, Givat Ram, 91390 Jerusalem  
(IL). HADASIT MEDICAL RESEARCH SERVICES  
AND DEVELOPMENT COMPANY LTD. [IL/IL]; P.O.  
Box 12000, 91120 Jerusalem (IL).

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): SPRINGER, Chaim  
[IL/IL]; 43 Haeyal Street, 96955 Jerusalem (IL). AVITAL,  
Avraham [IL/IL]; 18 Sheshet Hayamim Street, 90805  
Mevasseret Zion (IL). STERN, Theodor [IL/IL]; Shimoni

(54) Title: DIAGNOSTIC MICROSPHERES

(57) Abstract: The invention provides a diagnostic composition for detecting both aspiration and gastroesophageal reflux compris-  
ing bio-degradable microspheres having a diameter of about 0.1-10 microns.

WO 2004/011035 A2